

Appl. No. 10/708,601
Amdt. dated August 08, 2006
Reply to Office action of June 12, 2006

Amendments to the Specification:

Please replace paragraph 0014 with the following amended paragraph:

- Please refer to Fig.1. Fig.1 is a block diagram of contents of a memory 2 of an electronic device according to the present invention. The memory 2 stores a plurality of software application programs 4 and application data used in the software application programs 4 is stored in a plurality of sections 10 of the memory 2. For example, the section 10 of the memory 2 labeled "section 1" corresponds to the software application program 4 labeled "software application data program 1". Therefore, application data stored in the section 10 of the memory 2 labeled "section 1" is used by the software application program 4 labeled "software application data program 1". Examples of the software application programs 4 include a phonebook function or a calendar function of a mobile phone. In addition, the present invention also embeds an error checking algorithm 6 and a data managing function 8 inside each software application program 4. Each time one of the software application programs 4 is started, the error checking algorithm 6 is automatically run to detect any errors in the application data accessed by the software application program 4. If no errors are found, then the software application program 4 operates normally. Take the application data stored in the section 10 of memory 2 labeled "section 1" as example. If the error checking algorithm 6 in the software application program 4 labeled "software application data program 1" detects an error in its application data, the data managing function 8 will erase the application data and reset the corresponding section 10 of the memory 2 to its initial status. No other sections 10 of the memory 2 are reset if only the application data used by the "software application data program 1" is erroneous. In other words, it is not necessary to erase the application data for every software application program 4 used in the electronic device, as was necessary in the prior art.